

DERWENT-ACC-NO: 2003-865230

DERWENT-WEEK: 200759

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TITLE: Method of duplicating shapes comprises fixing stamper on platform, supplying photo-curing resin in pattern on stamper, applying substrate on resin, curing using light, pressing peeling material into stamper opening

INVENTOR: MORIBE M; UMADA T

PATENT-ASSIGNEE: FUJITSU LTD[FUIT]

PRIORITY-DATA: 2002WO-JP03281 (April 1, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
WO 03083854 A1	October 9, 2003	JA
AU 2002243021 A1	October 13, 2003	EN
US 20050048154 A1	March 3, 2005	EN
JP 2003581189 X	August 4, 2005	JA
CN 1623200 A	June 1, 2005	ZH
TW 268495 B1	December 11, 2006	ZH

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ

DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE

SG SI

SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW AT BE CH CY DE DK EA ES

FI

FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
WO2003083854A1	N/A	2002WO-JP03281	April 1, 2002
AU2002243021A1	N/A	2002AU-243021	April 1, 2002
CN 1623200A	N/A	2002CN-828680	April 1, 2002
AU2002243021A1	N/A	2002WO-JP03281	April 1, 2002
JP2003581189X	N/A	2002WO-JP03281	April 1, 2002
TW 268495B1	N/A	2002TW-106901	April 4, 2002
JP2003581189X	N/A	2003JP-581189	April 1, 2002
US20050048154A1	Based on	2004US-951910	September 29, 2004

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	G11B7/00	20060101
CIPS	B29D17/00	20060101
CIPS	G11B7/26	20060101

ABSTRACTED-PUB-NO: WO 03083854 A1

BASIC-ABSTRACT:

NOVELTY - A method of duplicating shapes comprises fixing a stamper having an opening in the center and patterns, supplying a photo-curing resin in the patterns, loading a thin substrate having an opening of smaller diameter than that in the stamper, curing the resin with light , inserting a peeling

material, and peeling the integrated resin and substrate from the stamper.

DESCRIPTION - A method of duplicating shapes comprises fixing a stamper having an opening in the center and patterns, supplying a photo-curing resin in the patterns on the stamper, loading a thin substrate having an opening of smaller diameter than that in the stamper which keeps certain position relationships to the stamper, curing the resin with light on the substrate, inserting a peeling material along the area extended out of the opening of the stamper and close to the opening of the substrate, and peeling the integrated resin and substrate from the stamper.

An INDEPENDENT CLAIM is also included for the apparatus used to apply the inventive method.

USE - For preparation of thin substrates e.g. optical disks.

ADVANTAGE - The product has good evenness of thickness.

DESCRIPTION OF DRAWING(S) - The drawing illustrates the inventive method. The drawing contains non-English text.

CHOSEN-DRAWING: Dwg.2/8

TITLE-TERMS: METHOD DUPLICATE SHAPE COMPRISE FIX STAMP PLATFORM
SUPPLY PHOTO

CURE RESIN PATTERN APPLY SUBSTRATE LIGHT PRESS PEEL MATERIAL
OPEN

DERWENT-CLASS: A89 L03 T03

CPI-CODES: A11-B04; A11-C02B; L03-G04B;

EPI-CODES: T03-B01D1; T03-B01E3G;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; P0000; S9999 S1434; L9999 L2391; L9999 L2073; M9999 M2073;
K9847*R K9790;

Polymer Index [1.2]

018 ; ND07; ND05; J9999 J2948 J2915; N9999 N6440*R; N9999 N5743;
Q9999 Q8935*R Q8924 Q8855; B9999 B5243*R B4740;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 2003-244612

Non-CPI Secondary Accession Numbers: 2003-690698